

mPDF

Example 59. New mPDF v5-6 features

```
<?php

ini_set("memory_limit","64M");

include("../mpdf.php");

$mpdf=new mPDF('');

//=====================================================

$html = '
<style>
.gradient {
    border:0.1mm solid #220044;
    background-color: #f0f2ff;
    background-gradient: linear #c7cdde #f0f2ff 0 1 0 0.5;
    box-shadow: 0.3em 0.3em #888888;
}
.rounded {
    border:0.1mm solid #220044;
    background-color: #f0f2ff;
    background-gradient: linear #c7cdde #f0f2ff 0 1 0 0.5;
    border-radius: 2mm;
    background-clip: border-box;
}
h4 {
    font-weight: bold;
    margin-top: 1em;
    margin-bottom: 0.3em;
    margin-top: 0;
}
div.text {
    padding:0.8em;
    margin-bottom: 0.7em;
}
p { margin: 0.25em 0; }
.code {
    font-family: monospace;
    font-size: 9pt;
    background-color: #d5d5d5;
    margin: 1em 1cm;
    padding: 0 0.3cm;
    border:0.2mm solid #000088;
    box-shadow: 0.3em 0.3em #888888;
}
table {
    border:1px solid #000000;
    font-family: sans-serif;
    font-size: 10pt;
    background-gradient: linear #c7cdde #f0f2ff 0 1 0 0.5;
}
td, th {
    border:1px solid #000000;
    text-align: left;
    font-weight: normal;
}
.shadowtitle {
    height: 8mm;
    background-color: #EEDDFF;
    background-gradient: linear #c7cdde #f0f2ff 0 1 0 0.5;
    padding: 0.8em;
    padding-left: 3em;
}
```

```

    font-family:sans;
    font-size: 26pt;
    font-weight: bold;
    border: 0.2mm solid white;
    border-radius: 0.2em;
    box-shadow: 0 0 2em 0.5em rgba(0,0,255,0.9);
    color: #AAAACC;
    text-shadow: 0.03em 0.03em #666, 0.05em 0.05em rgba(127,127,127,0.5), -0.015em -0.015em white;
}
h3 {
    margin: 3em 0 2em -15mm;
    background-color: #EEDDFF;
    background-gradient: linear #c7cdde #f0f2ff 0 1 0 0.5;
    padding: 0.5em;
    padding-left: 3em;
    width: 50%;
    font-family:sans;
    font-size: 16pt;
    font-weight: bold;
    border-left: none;
    border-radius: 0 2em 2em 0;
    box-shadow: 0 0 2em 0.5em rgba(255,0,0,1);
    text-shadow: 0.05em 0.04em rgba(127,127,127,0.5);
}
.css {
    font-family: arial;
    font-style: italic;
    color: #000088;
}
table.pop {
    border-collapse: collapse;
}
table.pop td {
    font-family: arial;
    font-size: 10px;
    border: 1px solid #888888;
}
meter.pop {
    margin: 3px;
}
fieldset { border: 1px solid #000000; border-radius: 5px; padding: 10px; }
div.folder {
    background:
url(
mf///yH5BAAAAAALAAAAAAQAA4AAARe8L1EKyky67QZ1hLnjM5Uude0ECwLJoExKcppV0aCcGCmTIHEIUEqjga0RCMxIC6e0CcgUW
w6aFjsVMkkIr7g77ZKPjJPZqIyd7sJAgVGoEGv2xsBxqNgYPj/gAwXEQA7) no-repeat 4px center;
    padding: 5px 0 5px 25px;
    border: 1px solid #000000;
}
</style>
<body>

<div class="shadowtitle">New Features in mPDF v5.6</div>

<h3>HTML5 tags</h3>
<div class="gradient text">
<p>New tags introduced in HTML5 now have basic support in mPDF, and will thus support CSS style
references.</p>
<p>The following are treated as block elements similar to <div>:</p>
<p class="code"><article> <aside> <details> <figure> <figcaption>
<footer> <header> <hgroup> <nav> <section> <summary> </p>
<p>The following are treated as in-line elements:</p>
<p class="code"><time> <mark></p>
<p>Mark is set by default to highlight in yellow in config.php using $defaultCSS e.g.
<mark>mark</mark></p>
<p>Progress and meter are discussed below:</p>
</div>

<h3><progress></h3>

```

```

<div class="gradient text">
<p>Progress: accepts the attributes value and max. A progress element without a value is called an
indeterminate progress bar.
Text between the opening and closing tags is not displayed.</p>
<p>CSS styles properties can be applied: display, visibility, margin, padding, border, vertical-align,
width, height and opacity.
HTML attributes width and height are supported, although not officially part of the spec.</p>
<p>Example:</p>
<p class="code">&lt;progress value="5" max="10"&gt;50%&lt;/progress&gt;</p>

    <ul class="compact">
        <li>
            <label>Indeterminate</label>
            <progress max="100"></progress>
        </li>
        <li>
            <label>Progress: 0%</label>
            <progress max="10" value="0"></progress>
        </li>
        <li>
            <label>Progress: 100%</label>
            <progress max="3254" value="3254"></progress>
        </li>
        <li>
            <label>Progress: 57%</label>
            <progress max="0.7" value="0.4"></progress>
        </li>
    </ul>
</div>

<h3>&lt;meter&gt;</h3>
<div class="gradient text">
<p>Meter: accepts the attributes min, max, value, optimum, low, and high.
Text between the opening and closing tags is not displayed.</p>
<p>CSS styles properties can be applied: display, visibility, margin, padding, border, vertical-align,
width, height and opacity.
HTML attributes width and height are supported, although not officially part of the spec.</p>
<p>Example:</p>
<p class="code">&lt;meter value="5" max="10" min="1" low="2" high="8"
optimum="5.6"&gt;5&lt;/meter&gt;</p>

    <ul class="compact">
        <li>
            <label>Meter: full</label>
            <meter value="1"></meter>
        </li>
        <li>
            <label>Preferred usage</label>
            <meter min="1024" max="10240" low="2048" high="8192" value="1824"
optimum="1024"></meter>
        </li>
        <li>
            <label>Too much traffic</label>
            <meter min="1024" max="10240" low="2048" high="8192" value="6216"
optimum="1024"></meter>
        </li>
        <li>
            <label>Much too much traffic</label>
            <meter min="1024" max="10240" low="2048" high="8192" value="9216"
optimum="1024"></meter>
        </li>
    </ul>
</div>

<div class="gradient text">
<h4>Custom appearances for &lt;meter&gt; and &lt;progress&gt;</h4>
<p>Meter (and to a lesser extent progress) can be used with custom appearances e.g. by using optimum
to display the average, and low/high to indicate 90th centiles</p>

```

```
<p>Custom appearances can be written by editing the script in classes/meter.php - Use a custom attribute of type="anyname" which is passed to the class as a variable e.g.</p>
<p class="code">&lt;meter type="2" value="612.7" optimum="580.4" min="517.0 " max="642.7" low="542" high="600"&gt;612.7&lt;/meter&gt;</p>
</div>
```

```
<table class="pop">
<tbody>
<tr>
<td><p><b>Domain</b></p></td>
<td><p><b>Indicator</b></p></td>
<td><p><b>LHB</b></p><p><b>number</b></p></td>
<td><p><b>LHB</b></p><p><b>Indicator</b></p>
<p><b>value</b></p>
</td>
<td><p><b>Wales</b></p><p><b>average</b></p>
</td>
<td><p><b>Wales range</b></p></td>
<td><p><b>Comparison</b></p></td>
</tr>
```

Deaths	
Death Rates per 100,000 population	
3046	
612.7	
580.4	
517.0 - 642.7	
pop 612.7	

Death Rates per 100,000 from cancer	789	178.2	172.7	159.5 - 182.2	178.2
-------------------------------------	-----	-------	-------	---------------	------------------------------

	<tr> <td> Death Rates per 100,000 from respiratory disease </td> <td> 505 </td> <td> 60.5 </td> <td> 72.11 </td> <td> 54.41 - 95.5 </td> <td><meter class="pop" type="2" value="60.5" optimum="72.11" min="54.41 " max="95.5" low="68" high="80">60.5</meter></td> </tr>
--	---

Death Rates per 100,000 from cardiovascular disease	913
	178.2
	165.0
	151.8 - 179.9
160.2 160.2	

```
</tbody>
</table>
```

Fieldset and Legend

```
<form>
  <fieldset>
```

```

<legend>Fieldset and legend</legend>
<p>Support for fieldset and legend was introduced in mPDF v5.5. Consider it experimental!</p>
<label for="name">Username:</label>
<input type="text" name="name" id="name" />
<br />
<label for="mail">E-mail:</label>
<input type="text" name="mail" id="mail" />
</fieldset>
</form>

```

CSS styles

```
<div class="gradient text">
```

```
<h4></h4>
```

```
<p><span class="css">min-height</span>, <span class="css">min-width</span>, <span
class="css">max-height</span> and <span class="css">max-width</span> are now supported in CSS style
sheets for &lt;img> (only).</p>
```

```
<p><span class="css">background: url(data:image/gif;base64,...)</span> is now supported in CSS style
sheets (gif, png and jpeg).</p>
```

```
</div>
```

```
<div class="folder">This &lt;div> has the folder icon set as an embedded image in the CSS</div>
```

```
<p class="code">div.folder {
    background:
url(
mf///yH5BAAAAAALAAAAAAQAA4AAARe8L1EKyky67QZ1hLnjM5Uude0ECwLJoExKcppV0aCcGCmTIHEIUEqjaORCMxIC6e0CcguW
w6aFjsVMkkIr7g77ZKPJjPZqIyd7sJAgVGoEGv2xsBxqNgYPj/gAwXEQA7) no-repeat 4px center;
    padding: 5px 0 5px 25px;
    border: 1px solid #000000;
}
</p>
```

Arabic text

```
<br /><br />
```

```
<div class="gradient text">
```

```
<p>The script handling Arabic text (RTL) was rewritten in mPDF 5.5 with improved support for
Pashto/Sindhi/Urdu/Kurdish, especially for joining characters and added new presentation forms.</p>
```

```
<p>Some characters in Pashto/Sindhi/Urdu/Kurdish do not have Unicode values for the
final/initial/medial forms of the characters. However, some fonts include glyphs for these characters
"un-mapped" to Unicode (including XB Zar and XB Riyaz, which are bundled with mPDF).</p>
```

```
<p>By editing config_fonts.php and adding:</p>
```

```
<p class="code">
    \unAGlyphs\ => true,
</p>
```

```
<p>to appropriate fonts, this will force mPDF to use unmapped glyphs. It requires the font file to
include a Format 2.0 POST table which references the glyphs by name as e.g. uni067C.med or
uni067C.medi</p>
```

```
<p>XB Riyaz, XB Zar, Arabic Typesetting (MS), Arial (MS) all contain this table. NB If you want to
know if a font file is suitable, you can open a .ttf file in a text editor and search for "uni067C.med"
- if it exists, it may work!</p>
```

```
<p>Using "unAGlyphs" forces subsetting of fonts, and will not work with SIP/SMP fonts (using
characters beyond the Unicode BMP Plane).</p>
```

```
<p>mPDF maps these characters to part of the Private Use Area allocated by Unicode U+F500-F7FF. This
could interfere with correct use
if the font already utilises these codes (unlikely).</p>
```

```
</div>
```

```
<pagebreak />
```

```
<p>Using Arial MS font:</p>
```

```

';
//=====
// Test for all Arabic characters which may need joining
//=====

```

```

$mpdf->cacheTables = true;
$html .= '
<style>
.script-arabic { font-family: arial; font-size: 22pt; direction: rtl; padding: 0.1em 0.5em; text-align:
center; }
.joined { color: #888888; }
</style>
<div dir="ltr">
';

$ranges = array(0=>array(0x0621, 0x063a), 1=>array(0x0640, 0x064a), 2=>array(0x0671, 0x0672),
3=>array(0x0674, 0x06d3));

foreach($ranges AS $r) {
    $html .= '<table border="1" style="border-collapse: collapse">';
    $html .= '<thead><tr>';
    $html .= '<td></td>';
    $html .= '<td style="text-align:center; padding: 0 0.5em;">Isolated</td>';
    $html .= '<td></td>';
    $html .= '<td style="text-align:center; padding: 0 0.5em;">Final</td>';
    $html .= '<td style="text-align:center; padding: 0 0.5em;">Medial</td>';
    $html .= '<td style="text-align:center; padding: 0 0.5em;">Initial</td>';
    $html .= '<td></td>';
    $html .= '</tr></thead><tbody>';
    for($n=$r[0];$n<=$r[1];$n++) {

        $html .= '<tr>';
        $html .= '<td>U+0'.strtoupper(dechex($n)) . '</td>';

        $html .= '<td class="script-arabic">&#x0'.dechex($n) . '</td>';
        $html .= '<td class="script-arabic joined">&#x626;&#x0'.dechex($n) . '</td>';
        $html .= '<td class="script-arabic">&#x640;&#x0'.dechex($n) . '</td>';
        $html .= '<td class="script-arabic">&#x640;&#x0'.dechex($n) . '&#x640;</td>';
        $html .= '<td class="script-arabic">&#x0'.dechex($n) . '&#x640;</td>';
        $html .= '<td class="script-arabic joined">&#x0'.dechex($n) . '&#x647;</td>';

        $html .= '</tr>';
    }
    $html .= '</tbody></table>';
$html .= '<br />';
}

$html .= '</div>';
//=====

$html .= '
<br />

';

//=====
if ($_REQUEST['html']) { echo $html; exit; }
if ($_REQUEST['source']) {
    $file = __FILE__;
    header("Content-Type: text/plain");
    header("Content-Length: ". filesize($file));
    header("Content-Disposition: attachment; filename='".$file."'");
    readfile($file);
    exit;
}

//=====

$mpdf->WriteHTML($html);

// OUTPUT

```

```
$mpdf->Output(); exit;
```

```
//=====
//=====
//=====
//=====
```

```
?>
```